

Proposed Well Profile

Report Date:	February 9, 2001	Survey / DLS Computation Method:	Minimum Curvature / Lubinski
Client:	KCS Medallion Resources, Inc.	Vertical Section Azimuth:	151.800°
Field:	NM Eddy County, New Mexico	Vertical Section Origin:	N 0.000 ft, E 0.000 ft
Structure / Slot:	KCS Shugart West 24 Federal G #2/Sec. 24, T18S / R30E	TVD Reference Datum:	0.0 ft relative to
Well:	Shugart West 24 Federal G #2	TVD Reference Elevation:	0.000 ft relative to
Borehole:	Original Hole	Sea Bed / Ground Level Elevation:	9.061°
UWI / API#:		Magnetic Declination:	49817.004 nT
Survey Name / Date:	Proposal 1-24-01 / February 9, 2001	Total Field Strength:	60.581°
Tort / AHD / DDI / ERD ratio:	34.759° / 660.98 ft / 4.366 / 0.079	Magnetic Dip:	January 24, 2001
Grid Coordinate System:	NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date:	BGGM 2000
Location Lat / Long:	N 32 30 0.000, W 104 10 0.000	Magnetic Declination Model:	True North
Location Grid N/E Y/X:	N 545652.917 ftUS, E 551383.485 ftUS	Reference:	+9.061°
Grid Convergence Angle:	+0.08955012°	Total Corr Mag North -> True North:	Well Head
Grid Scale Factor:	0.99991211	Local Coordinates Referenced To:	

Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N/-S (ft)	E/-W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Surface Hole Location	0.00	0.00	342.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-17.6MTF
KOP @ 4500' TVD	4500.00	0.00	342.4	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	-17.6MTF
	4600.00	2.50	342.4	4599.97	-2.14	2.08	-0.66	2.18	342.39	2.50	-17.6MTF
	4700.00	5.00	342.4	4699.75	-8.57	8.31	-2.64	8.72	342.39	2.50	0.0
	4800.00	7.50	342.4	4799.14	-19.27	18.69	-5.93	19.61	342.39	2.50	0.0
	4900.00	10.00	342.4	4897.97	-34.23	33.19	-10.54	34.82	342.39	2.50	0.0
	5000.00	12.50	342.4	4996.04	-53.40	51.78	-16.44	54.33	342.39	2.50	0.0
	5100.00	15.00	342.4	5093.17	-76.76	74.43	-23.63	78.09	342.39	2.50	0.0
	5195.17	17.38	342.4	5184.56	-102.84	99.72	-31.66	104.63	342.39	2.50	0.0
	6619.96	17.38	342.4	6544.30	-521.18	505.35	-160.43	530.20	342.39	0.00	180.0
	6700.00	15.78	342.4	6621.02	-543.63	527.12	-167.34	553.04	342.39	2.00	180.0
	6800.00	13.78	342.4	6717.70	-568.70	551.43	-175.06	578.55	342.39	2.00	180.0
	6900.00	11.78	342.4	6815.22	-590.44	572.51	-181.75	600.66	342.39	2.00	180.0
	7000.00	9.78	342.4	6913.45	-608.82	590.33	-187.41	619.36	342.39	2.00	180.0
	7100.00	7.78	342.4	7012.28	-623.82	604.88	-192.02	634.63	342.39	2.00	180.0

Largest Up to 400 TD @ 8400	7200.00	5.78	342.4	7111.57	-635.42	616.13	-195.60	646.43	342.39	2.00	180.0
	7300.00	3.78	342.4	7211.22	-643.61	624.07	-198.12	654.76	342.39	2.00	-17.6MTF
	7400.00	1.78	342.4	7311.10	-648.37	628.68	-199.58	659.60	342.39	2.00	-17.6MTF
	7488.92	0.00	342.4	7400.00	-649.73	630.00	-200.00	660.98	342.39	2.00	-17.6MTF
	8488.92	0.00	342.4	8400.00	-649.73	630.00	-200.00	660.98	342.39	0.00	0.0MTF

Survey Error Model: Wolff & deWardt 1.0000 sigma

Surveying Programme:

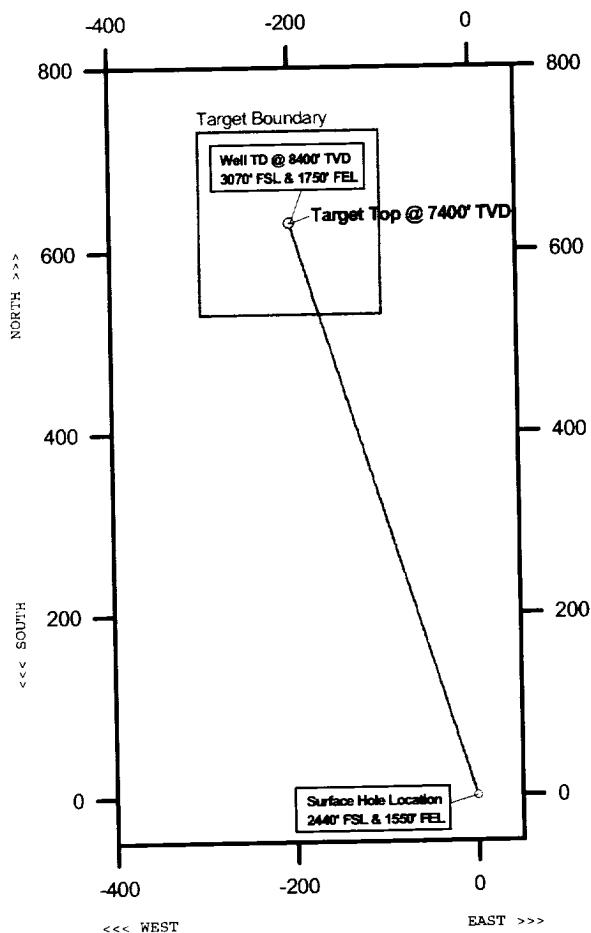
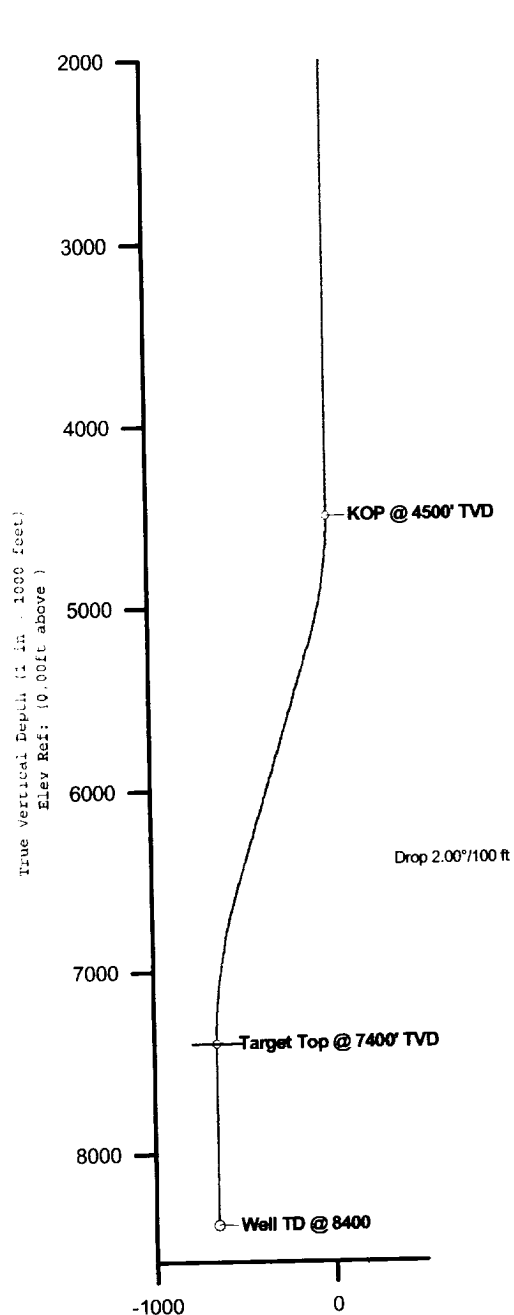
<u>MD From (ft)</u>	<u>MD To (ft)</u>	<u>EOU Freq</u>	<u>Survey Tool Type</u>
0.00	8488.92	Act-Stns	Anadrill MVD (none assigned-default tool used)

Schlumberger KCS Medallion Resources, Inc.

WELL	FIELD	LEGALS
Shugart West 24 Federal G #2	Eddy County, New Mexico	Sec. 24, T18S / R30E
Magnetic Parameters Model: BGGM 2000 Dip: 60.581° Mag Dec: 9.061° Date: January 24, 2001 FS: 49817.0 nT	Surface Location Lat: N32 30 0.000 Lon: W104 10 0.000 North: 545652.92 ftUS East: 551383.48 ftUS Grid Conv: 0.0896° Scale Fact: 0.9999	Miscellaneous Slot: Shugart West 24 Federal G #2 Plan#: Proposal 1-24-01 Date Drawn: 01:18:05PM 09-Feb-2001

Vertical Section View

PLAN VIEW Scale (1 in = 200 feet)



Surface Location: North:545652.92 ftUS, East:551383.48 ftUS NAD27 New Mexico State Plane, Eastern Zone, US Feet

Target Name	Grid Coord		TVD ft	VSEC ft	Local Coord		Shape	Major Axis
	N(+) / S(-) ftUS	E(+) / W(-) ftUS			N(+) / S(-) ft	E(+) / W(-) ft		
Shugart West 24	546282.55	551382.52	7400.00	649.73	630.00	-200.00	Rect	200.0
Shugart West 24	546282.55	551382.52	8400.00	649.73	630.00	200.00	Point	
Critical Points								
	MD	INCL	AZIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
Surface Hole Loca	0.00	0.00	342.4	0.00	0.00	0.00	0.00	0.00
KOP @ 4500' TVD	4500.00	0.00	342.4	4500.00	0.00	0.00	0.00	0.00
Target Top @ 7400'	7400.92	0.00	342.4	7400.00	-649.73	630.00	200.00	2.00
Well TD @ 8400'	8400.92	0.00	342.4	8400.00	-649.73	630.00	-200.00	0.00



True North
Tot Corr (E 9.06°)
Mag Dec (E 9.06°)

Quality Control
Date Drawn: 09-Feb-2001
Drawn by: Lezette Boutin
Checked by: _____
Client OK: _____